

10/580,898

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L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2008:141970 CAPLUS

DOCUMENT NUMBER: 148:403124

TITLE: One-pot synthesis of dihydroimidazo- and imidazophenanthridinium salts

AUTHOR(S): Parenty, Alexis D. C.; Cronin, Leroy

CORPORATE SOURCE: WestCHEM, Chemistry Department, University of Glasgow, Glasgow, G12 8QQ, UK

SOURCE: Synthesis (2008), (1), 155-160

CODEN: SYNTBF; ISSN: 0039-7881

PUBLISHER: Georg Thieme Verlag

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LANGUAGE: English

OTHER SOURCE(S): CASREACT 148:403124

AB Two highly efficient and general one-pot annulation reactions are described for the synthesis of dihydroimidazo- and imidazophenanthridinium salts (DIPs+ and IPs+). These two methodologies exploit the difference in reactivity between primary amino-based or ammonia nucleophiles and the dielectrophilic starting material, N-(2-bromoethyl)phenanthridinium bromide.

IT 1015222-80-6P

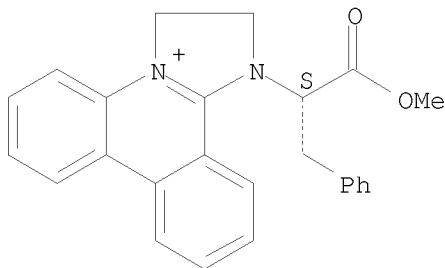
RL: SPN (Synthetic preparation); PREP (Preparation)

(preparation of dihydroimidazo- and imidazophenanthridinium salts by cyclization of N-(bromoethyl)phenanthridinium bromide with primary amines or ammonia)

RN 1015222-80-6 CAPLUS

CN Imidazo[1,2-f]phenanthridin-4-ium,  
2,3-dihydro-1-[(1S)-2-methoxy-2-oxo-1-(phenylmethyl)ethyl]-, bromide (1:1)  
(CA INDEX NAME)

Absolute stereochemistry.



● Br<sup>-</sup>

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REFERENCE COUNT: 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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FILE 'REGISTRY' ENTERED AT 10:49:18 ON 28 JUN 2010

L1 STRUCTURE UPLOADED

L2 0 S L1

L3 4 S L1 FULL

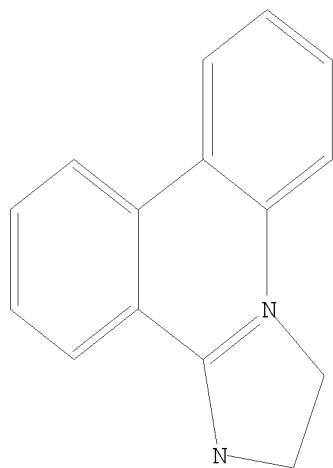
FILE 'CAPLUS' ENTERED AT 10:49:51 ON 28 JUN 2010

L4 1 S L3

=> d l1

L1 HAS NO ANSWERS

L1 STR



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